

FIG. 1

IN THE CASE OF END POINT GRAY SCALE (CURRENT FRAME) =48/255

COMPENSATION VALUE

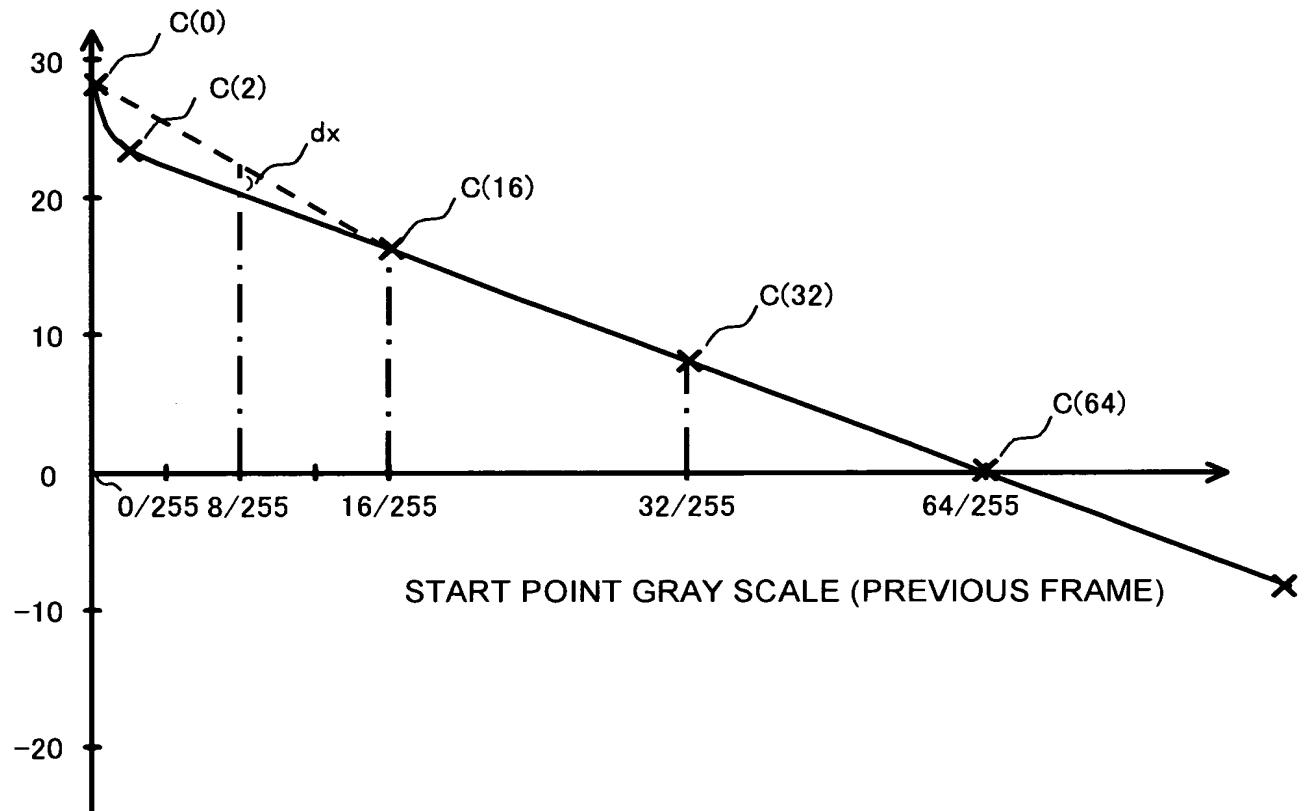


FIG. 2

BLOCK DIAGRAM

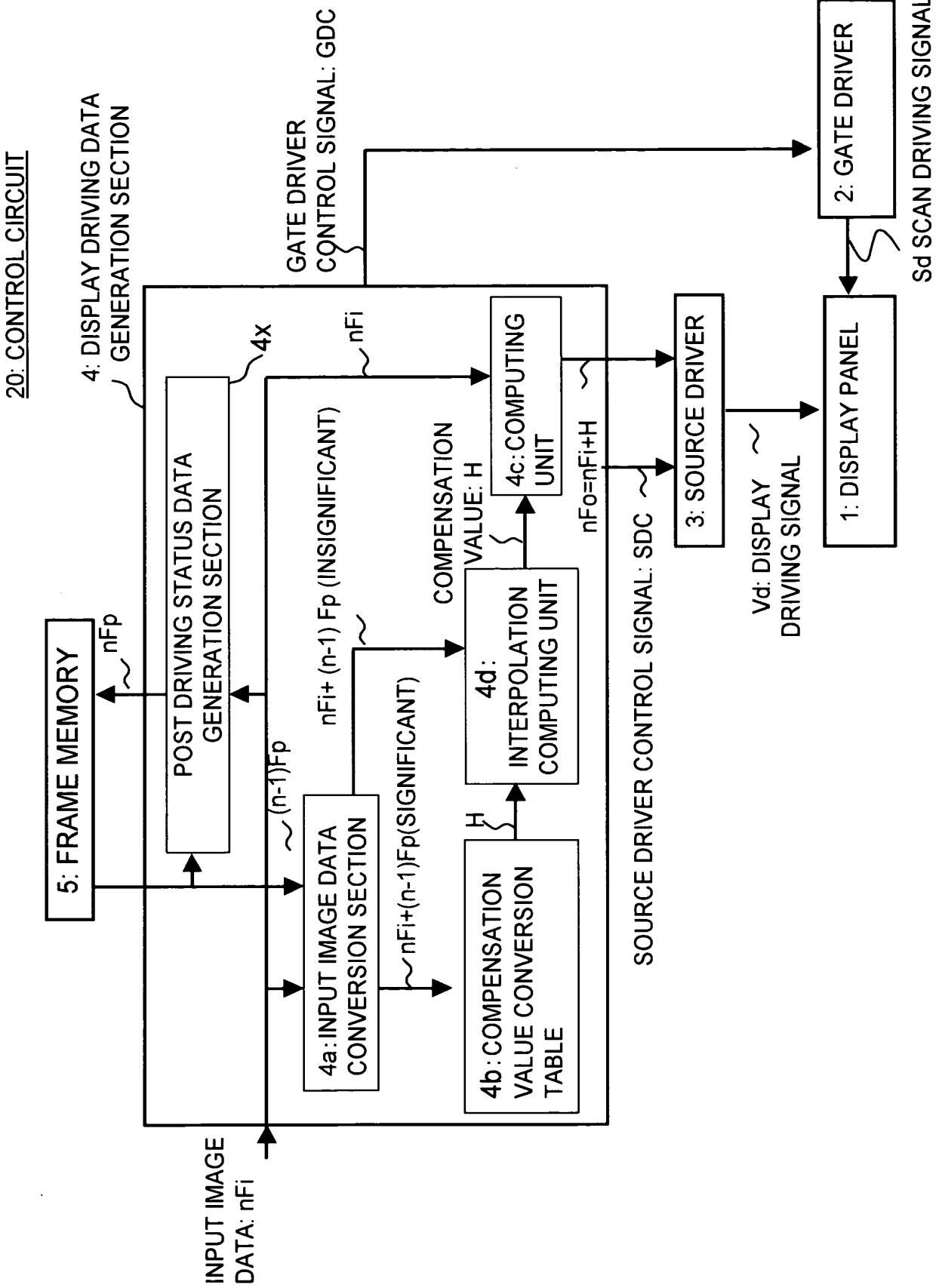


FIG. 3

FIRST EMBODIMENT

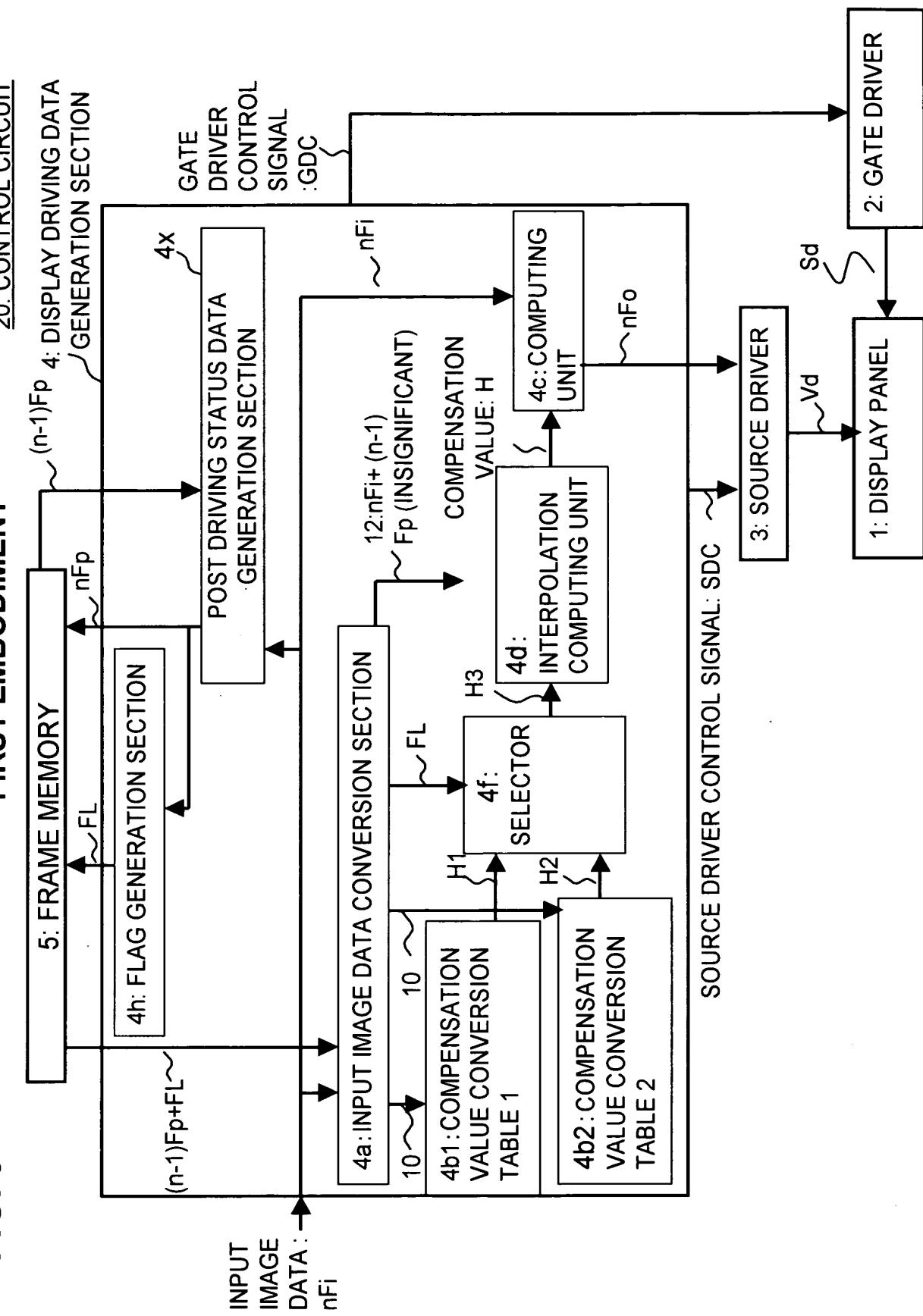


FIG. 4A 4b

COMPENSATION VALUE 60Hz Ta = 20°C

		END POINT GRAY SCALE (IMAGE DATA OF CURRENT FRAME)																
		0/255	16/255	32/255	48/255	64/255	80/255	96/255	112/255	128/255	144/255	160/255	176/255	192/255	208/255	224/255	240/255	255/255
START POINT	GRAY SCALE	0/255	16/255	32/255	48/255	64/255	80/255	96/255	112/255	128/255	144/255	160/255	176/255	192/255	208/255	224/255	240/255	255/255
0/255	-10	19	29	32	31	29	27	24	21	18	15	13	10	7	4	1	-1	
16/255	-1	7	17	24	26	24	22	20	18	15	13	11	9	7	4	1	-1	
32/255	0	-	9	16	19	20	19	17	15	12	11	10	8	7	4	1	-1	
48/255	0	-8	-7	-6	-7	11	14	14	15	12	10	9	8	7	4	1	-1	
64/255	7	-7	-8	-4	-4	-4	8	10	10	10	9	8	8	7	4	1	-1	
80/255	-7	-10	-7	-7	-4	-4	4	6	6	5	5	6	6	7	4	1	-1	
96/255	-7	-11	-9	-9	-3	-3	3	3	3	4	4	4	4	4	3	1	-1	
112/255	-7	-11	-11	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	
128/255	-7	-11	-12	-10	-10	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	
144/255	-8	-11	-12	-14	-12	-12	-12	-12	-12	-12	-12	-12	-12	-12	-12	-12	-12	
160/255	-8	-11	-14	-14	-11	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	
176/255	-8	-11	-14	-14	-14	-14	-14	-14	-14	-14	-14	-14	-14	-14	-14	-14	-14	
192/255	-1	-15	-15	-15	-15	-13	-13	-11	-9	-6	-4	-2	-1	-1	-1	-1	-1	
208/255	-1	-15	-15	-17	-17	-15	-15	-14	-11	-9	-6	-4	-2	-1	-1	-1	-1	
224/255	-1	-15	-15	-18	-18	-18	-18	-18	-16	-14	-12	-10	-8	-6	-4	-2	-1	
240/255	-1	-15	-15	-19	-19	-19	-19	-19	-19	-19	-19	-19	-19	-19	-19	-19	-19	
255/255	0	-3	-3	-3	-3	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	

FIG. 4B 4b2

COMPENSATION VALUE 60Hz TA = 20°C

		END POINT GRAY SCALE (IMAGE DATA OF CURRENT FRAME)																
		0/255	16/255	32/255	48/255	64/255	80/255	96/255	112/255	128/255	144/255	160/255	176/255	192/255	208/255	224/255	240/255	255/255
START POINT	GRAY SCALE	0/255	16/255	32/255	48/255	64/255	80/255	96/255	112/255	128/255	144/255	160/255	176/255	192/255	208/255	224/255	240/255	255/255
0/255	-3	15	26	30	29	28	25	23	20	18	15	14	14	11	9	7	5	
16/255	-1	7	17	24	24	24	22	20	19	17	15	13	11	10	8	7	5	
32/255	0	-	9	16	19	20	19	17	15	13	11	10	8	7	6	5	4	
48/255	0	-6	-6	-7	11	14	14	15	12	11	10	9	8	7	6	5	4	
64/255	0	-9	-9	-9	-7	4	8	10	10	9	8	7	6	5	5	4	3	
80/255	-10	-7	-7	-7	-7	-7	3	3	3	3	3	3	3	2	2	1	-1	
96/255	-11	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	
112/255	-11	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	
128/255	-11	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	
144/255	-12	-10	-10	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	
160/255	-12	-10	-10	-14	-14	-11	-11	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	
176/255	-12	-10	-15	-15	-13	-11	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	
192/255	-12	-15	-17	-15	-13	-14	-14	-11	-9	-9	-9	-9	-9	-9	-9	-9	-9	
208/255	-12	-15	-18	-18	-16	-16	-16	-14	-12	-12	-12	-12	-12	-12	-12	-12	-12	
224/255	-12	-15	-19	-19	-19	-19	-19	-19	-19	-19	-19	-19	-19	-19	-19	-19	-19	
240/255	-12	-15	-19	-20	-22	-22	-22	-22	-22	-22	-22	-22	-22	-22	-22	-22	-22	
255/255	0	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	

FIG. 4B 4b1

COMPENSATION VALUE 60Hz TA = 20°C

		END POINT GRAY SCALE (IMAGE DATA OF CURRENT FRAME)																
		0/255	16/255	32/255	48/255	64/255	80/255	96/255	112/255	128/255	144/255	160/255	176/255	192/255	208/255	224/255	240/255	255/255
START POINT	GRAY SCALE	0/255	16/255	32/255	48/255	64/255	80/255	96/255	112/255	128/255	144/255	160/255	176/255	192/255	208/255	224/255	240/255	255/255
0/255	0	-10	19	29	32	31	29	27	24	21	18	15	13	10	7	3	0	
16/255	-1	7	17	24	26	24	22	20	19	17	15	13	11	9	7	4	1	
32/255	0	-	9	16	19	20	19	17	15	12	10	9	8	7	4	1	-1	
48/255	0	-8	-7	-6	-7	11	14	14	15	12	10	9	8	7	4	1	-1	
64/255	7	-7	-8	-4	-4	8	10	10	10	9	9	8	8	7	4	1	-1	
80/255	-7	-10	-7	-7	-4	-4	6	8	8	8	6	6	6	6	4	1	-1	
96/255	-7	-11	-9	-9	-3	-3	3	3	3	3	3	3	3	3	3	1	-1	
112/255	-7	-11	-11	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	
128/255	-7	-11	-11	-12	-10	-10	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	
144/255	-8	-11	-12	-14	-14	-11	-11	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	
160/255	-8	-11	-15	-15	-13	-11	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9	
176/255	-8	-15	-17	-15	-13	-14	-14	-11	-9	-9	-9	-9	-9	-9	-9	-9	-9	
192/255	-8	-15	-17	-17	-15	-14	-14	-11	-9	-9	-9	-9	-9	-9	-9	-9	-9	
208/255	-8	-15	-18	-18	-16	-16	-16	-14	-12	-12	-12	-12	-12	-12	-12	-12	-12	
224/255	-8	-15	-19	-19	-19	-19	-19	-19	-19	-19	-19	-19	-19	-19	-19	-19	-19	
240/255	-8	-15	-19	-20	-22	-22	-22	-22	-22	-22	-22	-22	-22	-22	-22	-22	-22	
255/255	0	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	

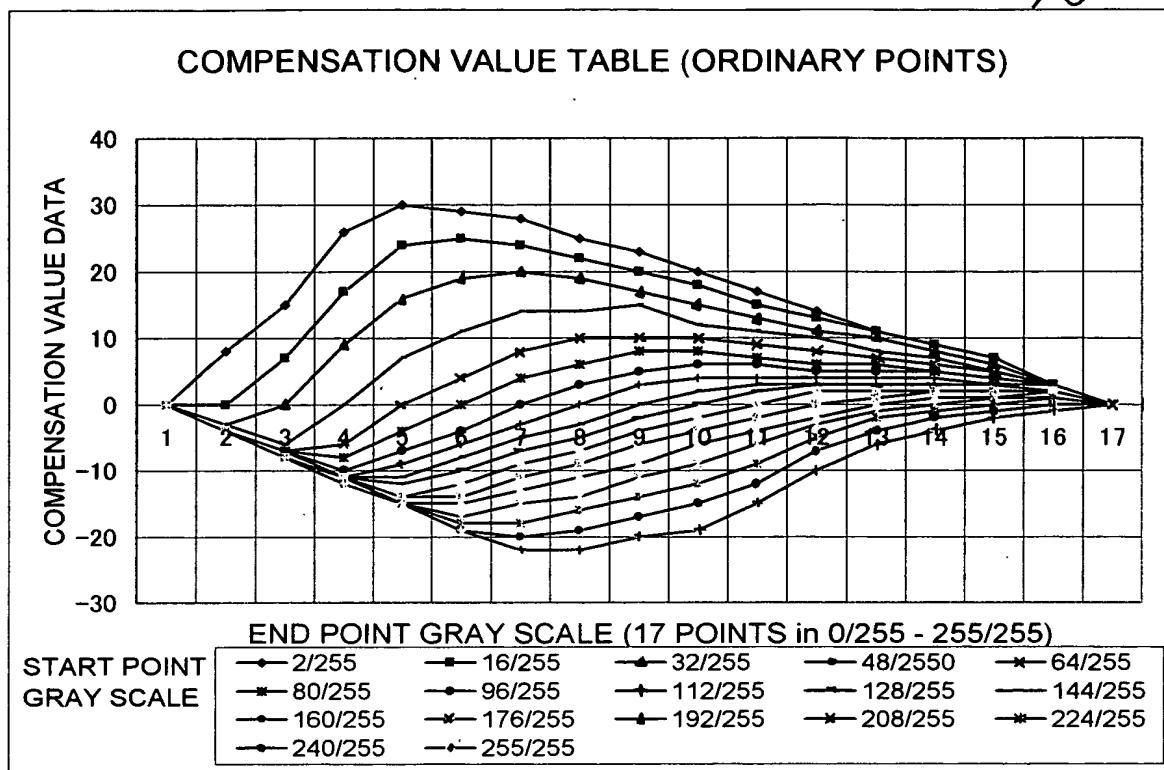
FIG. 4C 4b1

		END POINT GRAY SCALE (IMAGE DATA OF CURRENT POINTS)																
		0/255	16/255	32/255	48/255	64/255	80/255	96/255	112/255	128/255	144/255	160/255	176/255	192/255	208/255	224/255	240/255	255/255
START POINT	GRAY SCALE	0/255	16/255	32/255	48/255	64/255	80/255	96/255	112/255	128/255	144/255	160/255	176/255	192/255	208/255	224/255	240/255	255/255

<tbl_r cells="18" ix="4" maxcspan="1" maxrspan="1" used

FIG. 5

4b2



4b1

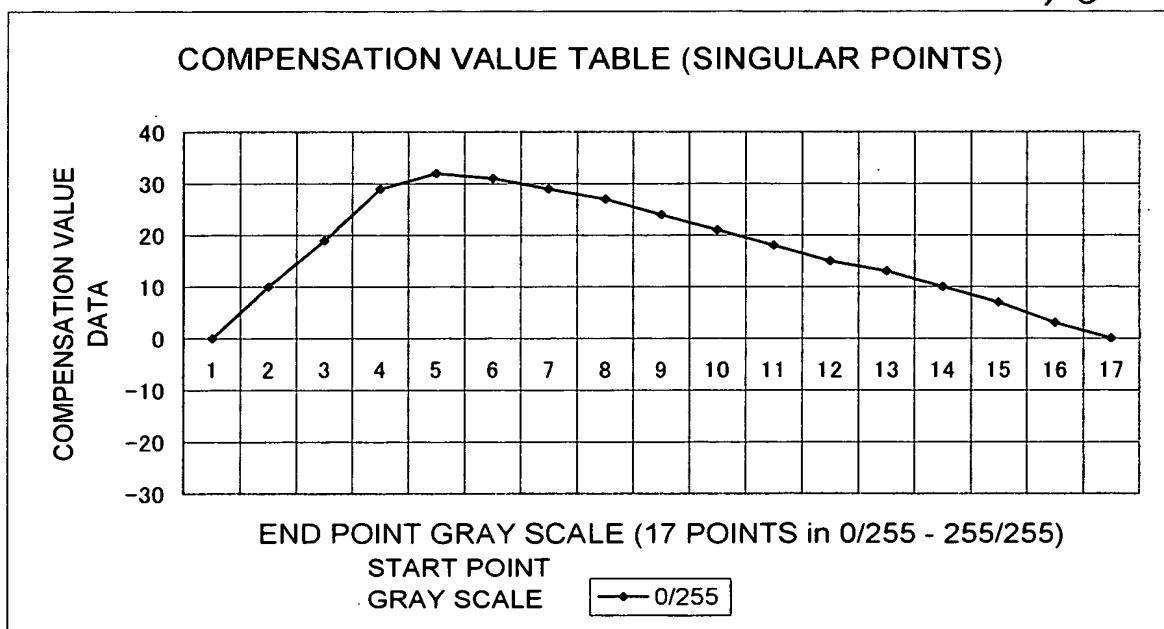


FIG. 6

SECOND EMBODIMENT

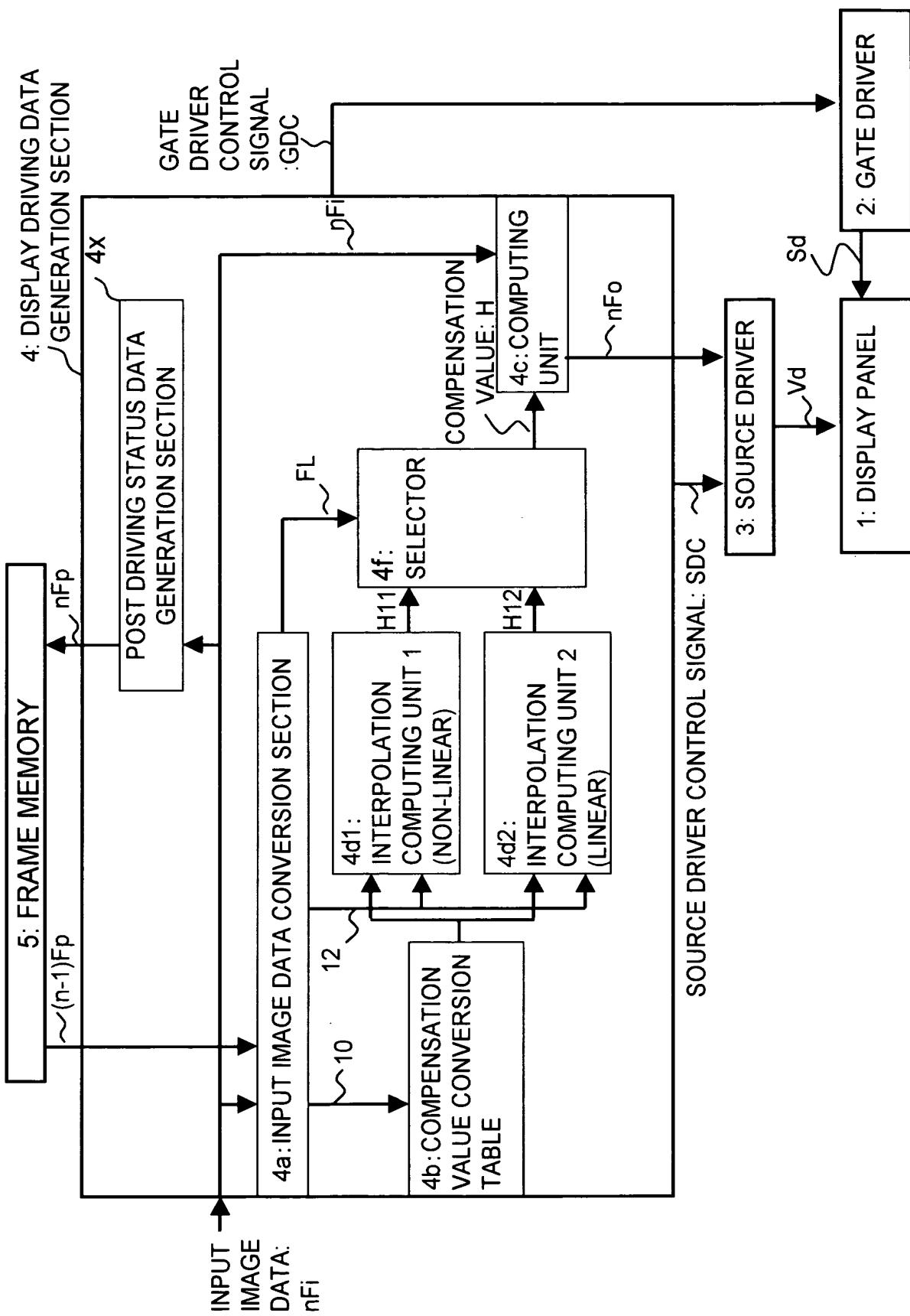


FIG. 7A 4d2

EQUAL DIVISION INTERPOLATION (STANDARD INTERPOLATION FORMULA)

←EQUAL DIVISION INTERPOLATION→

A11	(3*A11+A12)/4	(A11+A12)/2	(A11+3*A12)/4	A12
(3*A11+A21)/4	(9*A11+3*A12+3*A21+A22)/16	(3*A11+3*A12+A21+A22)/8	(3*A11+9*A12+A21+3*A22)/16	(3*A12+A22)/4
(A11+A21)/2	(3*A11+A12+3*A21+A22)/8	(A11+A12+A21+A22)/4	(A11+3*A12+A21+3*A22)/8	(A12+A22)/2
(A11+3*A21)/4	(3*A11+A12+9*A21+3*A22)/16	(A11+A12+3*A21+3*A22)/8	(A11+3*A12+3*A21+9*A22)/16	(A12+3*A22)/4
A21	(3*A21+A22)/4	(A21+A22)/2	(A21+3*A22)/4	A22

DIVIDES VERTICAL DIRECTION OF TABLE INTO 1:1:1
 HORIZONTAL DIRECTION INTO 1:1:1

FIG. 7B 4d1

UNEQUAL DIVISION INTERPOLATION EXAMPLE (SINGULAR POINT AREA INTERPOLATION FORMULA)

←EQUAL DIVISION INTERPOLATION→

A11	(3*A11+A12)/4	(A11+A12)/2	(A11+3*A12)/4	A12
(A11+A21)/2	(3*A11+A12+3*A21+A22)/8	(A11+A12+A21+A22)/4	(A11+3*A12+3*A21+3*A22)/8	(A12+A22)/2
(A11+3*A21)/4	(3*A11+A12+9*A21+3*A22)/16	(A11+A12+3*A21+3*A22)/8	(A11+3*A12+3*A21+9*A22)/16	(A12+3*A22)/4
(A11+7*A21)/8	(3*A11+A12+21*A21+7*A22)/32	(A11+A12+21*A21+7*A22)/16	(A11+3*A12+7*A21+21*A22)/32	(A12+7*A22)/8
A21	(3*A21+A22)/4	(A21+A22)/2	(A21+3*A22)/4	A22

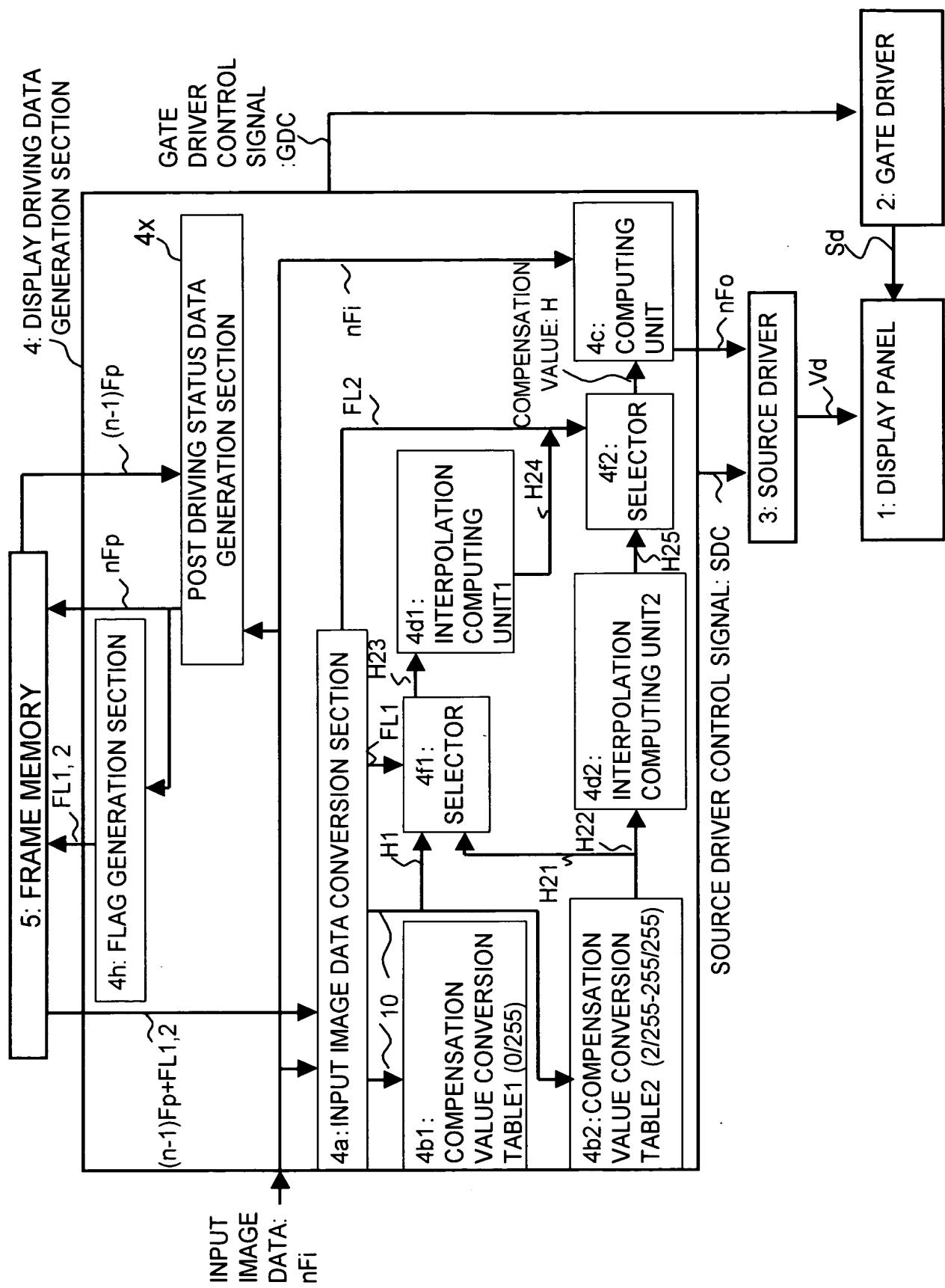
DIVIDES VERTICAL DIRECTION OF TABLE INTO 4:2:1:1
 HORIZONTAL DIRECTION INTO 1:1:1



FIG. 8

SECOND EMBODIMENT (VARIANT FORM)

20: CONTROL CIRCUIT



9
FIG.

THIRD EMBODIMENT

